

# Material Safety Data Sheet

Martrex, Inc.  
P.O. Box 1709  
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## 1. CHEMICAL IDENTIFICATION

CHEMICAL NAME: Cobalt Sulfate 33%  
COMMON NAME: Cobalt Sulfate Monohydrate  
CAS NO: 10124-43-3  
CHEMICAL DESCRIPTION: Inorganic metallic salt

## 2. PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Not normally needed. If use generates an aerosol mist or respiratory irritation, use NIOSH-approved dust/mist respirator (such as 3M #8710).  
EYE PROTECTION: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.  
SKIN PROTECTION: Impervious gloves and clothes.  
VENTILATION: Recommended but no TLV established.

## 3. POTENTIAL HEALTH EFFECTS

ACUTE EFFECTS:  
EYES: Mild irritant. May cause redness.  
SKIN: Mild irritant, especially from prolonged exposure. May cause redness.  
INGESTION: May cause stomach cramps and/or nausea.  
INHALATION: None expected but may cause irritation to upper respiratory tract.  
SUBCHRONIC EFFECTS: None known.  
CHRONIC EFFECTS: None Known.

## 4. EMERGENCY AND FIRST AID MEASURES

SKIN: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. See a physician if skin becomes irritated.  
EYES: Flush immediately with water for at least 15 minutes. Call a physician if eye irritation persists.  
INHALATION: Move to fresh air. If breathing becomes difficult, call a physician.  
INGESTION: Induce vomiting if conscious. Call a physician or Poison Control center immediately.

## 5. HAZARDOUS INGREDIENTS

<u>CHEMICAL</u>	<u>CAS NO.</u>	<u>%</u>	<u>TLV OR PEL</u>	<u>RQ (LBS)</u>
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For Chemical Emergencies Call CHEMPRO - Day or Night - at 800-424-9300  
Product: Cobalt Sulfate 33%



## 10. FIRE AND EXPLOSION HAZARDS

FLASH POINT: Not applicable.

TEST METHOD: Not pertinent.

LEL FLAMMABLE LIMITS: Not pertinent.

UEL FLAMMABLE LIMITS: Not pertinent.

AUTOIGNITION TEMPERATURE: Not pertinent.

FLAMMABILITY CLASSIFICATION: Nonflammable.

KNOWN HAZARDOUS PRODUCTS OF COMBUSTION: None.

PROPERTIES THAT INITIATE/CONTRIBUTE TO INTENSITY OF FIRE: None.

POTENTIAL FOR DUST EXPLOSION: None.

UNUSUAL FIRE & EXPOSURE HAZARDS: None.

EXTINGUISHING MEDIA: Dry chemical, CO<sub>2</sub> or water spray.

SPECIAL FIREFIGHTING PROCEDURES: Wear positive pressure, self-contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff.

## 11. STORAGE AND SPECIAL PRECAUTIONS

STORAGE: Store in a cool, dry place away from children and other food and feed products. Do not contaminate other stored products or the storage area by handling or storage of this product.

TRANSFER EQUIPMENT: Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.

WORK/HYGIENIC PRACTICES: Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid inhalation of spray mists. Wash thoroughly with water after handling.

## 12. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment wash-waters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

## 13. TRANSPORTATION REQUIREMENTS

DOT SHIPPING DESCRIPTION: Not D.O.T. regulated.

OTHER SHIPPING DESCRIPTION: Feed Supplements (animal), dry. NMFC Item 67075 Sub 6, LTL Class 85

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## 14. SARA TITLE III INFORMATION

CERCLA: None.

SARA TITLE III, SECTION 313 TOXIC CHEMICALS: Cobalt compounds (100%).

**15. EMERGENCY ACTION - SPILL OR LEAK**

CONTAINMENT: Prevent product spillage from entering drinking water supplies or streams.

CLEAN UP: Collect liquid or absorb onto absorbent material and package for disposal.

EVACUATION: Not necessary.

**16. MSDS PREPARATION INFORMATION**

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